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Reexam Application No. 90/005,708
Reissue Application No. 09/484,260
Amendment dated May 14, 2007
Reply to Office Action of November 13, 2006

Docket No.: HO-P02233US1

AMENDMENTS TO THE CLAIMS

1. (canceled)
2. (canceled)
3. (canceled)
4. (currently amended) (The apparatus of claim 1 wherein] An apparatus for injecting coiled tubing into a hole in the earth's surface comprising:

a frame having a front end and a back end; wherein said frame comprises a mast and lower frame;

a tubing storage spool removably mounted on said frame at said back end and having coiled tubing stored thereon;

said mast is pivotally mounted on said lower frame;

an injector reel rotatably mounted on said mast, said injector reel pivotable from a first stored position at said front end to a second tubing injecting position; said second tubing injecting positions said injector reel above said front end of said frame, and said coiled tubing exits said apparatus at an angle less than 90° to said surface;

a drive mechanism attached to said injector reel to rotate said injector reel; and

a hold down assembly mounted around a portion of the circumference of said injector reel for exerting a pressure against said coiled tubing over more than 90° of said injector reel when said injector reel is in said second operative position and said coiled tubing is directed between said hold down assembly and said circumference of said injector reel to provide

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positive engagement of said tubing by said injector reel when said injector reel is being rotated to pull said tubing off of said tubing storage spool or return said tubing to said tubing storage spool.

5. (currently amended) The apparatus of claim ~~[[1]]~~ 4 further comprising a first tubing stabilizer assembly mounted within said frame and a second tubing stabilizer mounted above said hole in said surface.
6. (currently amended) The apparatus of claim ~~[[1]]~~ 4 wherein said tubing storage spool is further removably mounted to an adjustable cradle frame having opposed pivotable bullnose arms.
7. (currently amended) The apparatus of claim ~~[[1]]~~ 6 wherein said opposed pivotable bullnose arms are horizontally slidably attached to said cradle frame to accept a range of storage spool widths.
8. (currently amended) The apparatus of claim ~~[[1]]~~ 6 wherein said opposed pivotable bullnose arms are vertically slidably attached to said cradle frame to accept a range of storage spool diameters.
9. (currently amended) The apparatus of claim ~~[[1]]~~ 4 wherein said drive mechanism is of adjustable length to accommodate a range of storage spool diameters.
10. (canceled)
11. (currently amended) A method of retrieving a length of coiled tubing from beneath a surface and storing said tubing on a tubing storage spool comprising:

rotating a reel for receiving said coiled tubing at an angle less than 90° to said surface;

exerting pressure against more than 90° of the circumference of said reel

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while running said tubing around a portion of said circumference to exert pressure against said tubing to cause positive engagement of said tubing by said reel; and

routing said tubing off of said reel onto said tubing storage spool, said tubing storage spool mounted on a cradle vertically and horizontally adjustable to accept varying spool widths and diameters.

Claims 12-25 (canceled)